

In The Claims:

Amend claim 6 as follows:

6. (Amended). A method for preparation of molecularly uniform hyperpolymeric hemoglobins from a solution containing crosslinked hyperpolymeric hemoglobin molecules with a size [and weight which are up to several hundred times] which is up to (5-10) x 100 times of a size [and weight] of quaternary [hyperpolymeric] hemoglobin molecules, comprising the steps of:

E2 performing fractional precipitation of the solution in presence of  $(\text{NH}_4)_2 \text{SO}_4$  as a precipitation reagent for at least 30 minutes;

fractionating chromatographically the solution,

Ab H1 performing a partial fractionation dissolution of the solution, or

performing at least one of the steps above or any combination of the steps above.